ABSTRACT

A filter (20) is provided for injecting data dependent jitter and level noise into a digital data signal (1) with a given data rate (A). The filter (20) reacts on a step function with a step response (2) showing after a first increase or decrease (B) a substantial extreme value (C), such as a minimum or a maximum, of opposite direction than the first increase or decrease. The temporal occurrence of the substantial extreme value (C) with respect to the step function is substantially in the range of the given data rate (A).

[Fig. 1 for publication]